

JFW



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 www.uspto.gov

APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/820,864	04/09/2004	Diwakar Garg	06357P USA

CONFIRMATION NO. 8704

FORMALITIES LETTER



OC000000013004171

23543
 AIR PRODUCTS AND CHEMICALS, INC.
 PATENT DEPARTMENT
 7201 HAMILTON BOULEVARD
 ALLENTOWN, PA 181951501

Date Mailed: 06/22/2004

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

*Filing Date Granted*Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

SUMMARY OF FEES DUE:

Total additional fee(s) required for this application is **\$130** for a Large Entity

- **\$130** Late oath or declaration Surcharge.

Items Required To Avoid Processing Delays:

The item(s) indicated below are also required and should be submitted with any reply to this notice to avoid further processing delays.

- A new oath or declaration, identifying this application number is required. The oath or declaration does not comply with 37 CFR 1.63 in that it:
- does not identify the residence (e.g., city and either state or foreign country) of each inventor.
- does not identify the complete mailing or post office address of each inventor.

Replies should be mailed to: Mail Stop Missing Parts

10820864

0493

07/27/2004 RHEBRAHT 00000072

130.00 DA

01 FC:1051

Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

A copy of this notice MUST be returned with the reply.

B. To

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE



PATENT: 06357P USA

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

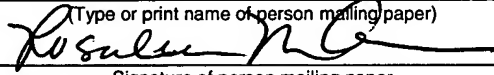
IN RE APPLI-
CATION OF : Diwakar Garg, et al.

SERIAL NO. : 10/820,864 : GRP. ART UNIT: 1762

FILED : 9 April 2004 : EXAMINER:

FOR : DIFFUSION BARRIER LAYERS AND METHODS COMPRISING
FOR DEPOSITING METAL FILMS BY CVD OR ALD PROCESSES

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING	
I CERTIFY THAT THIS PAPER (ALONG WITH ANY PAPER REFERRED TO AS BEING ATTACHED OR ENCLOSED) IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE WITH SUFFICIENT POSTAGE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO:	
ASSISTANT COMMISSIONER FOR PATENTS P.O. BOX 1450 ALEXANDRIA, VA 22313-1450	
ON	<u>July 22, 2004</u>
	Date
	<u>Rosaleen P. Morris-Oskanian</u>
	(Type or print name of person mailing paper)
	<u></u>
	Signature of person mailing paper

Sir:

LETTER

In response to your "Notice of Filing Missing Parts of Nonprovisional Application," dated 22 June 2004 (copy attached), enclosed is the executed Declaration, Power of Attorney, Statement Under 37 CFR 3.73(b) and a copy of the Assignment for the subject application, which was filed on 9 April 2004 as United States Application Number 10/820,864. The documents are identified by our Docket Number 06357P USA.

Please charge the fee of \$130.00 to Deposit Account No. 01-0493. Duplicate copies of this paper are enclosed.

Respectfully submitted,



Rosaleen P. Morris-Oskanian
Patent Attorney
Registration No. 47,321
7201 Hamilton Boulevard
Allentown, PA 18195-1501
(610) 481-8169